

05/13/2008

10-533,833-1.trn

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptajem1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 02	STN pricing information for 2008 now available
NEWS	3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28	MARPAT searching enhanced
NEWS	6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	8	JAN 28	MEDLINE and LMEADLINE reloaded with enhancements
NEWS	9	FEB 08	STN Express, Version 8.3, now available
NEWS	10	FEB 20	PCI now available as a replacement to DPCI
NEWS	11	FEB 25	IFIREF reloaded with enhancements
NEWS	12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	14	MAR 31	IFICDB, IFIPAT, and IFIADB enhanced with new custom IPC display formats
NEWS	15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	16	MAR 31	CA/CAPLUS and CASREACT patent number format for U.S. applications updated
NEWS	17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS EXPRESS	FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:27:57 ON 13 MAY 2008

=> FIL REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:28:15 ON 13 MAY 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 MAY 2008 HIGHEST RN 1020399-29-4

DICTIONARY FILE UPDATES: 12 MAY 2008 HIGHEST RN 1020399-29-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

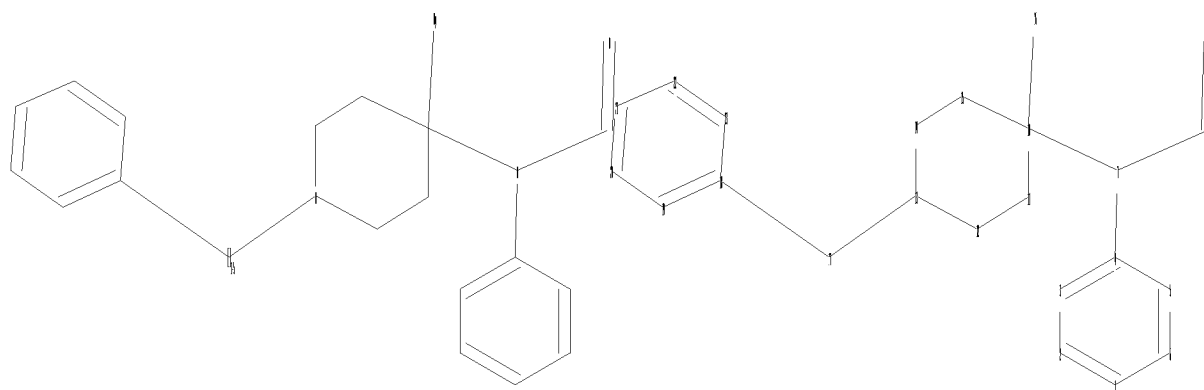
<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10-533,833-1.str

05/13/2008

10-533,833-1.trn



chain nodes :

7 8 9 16 17

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15 18 19 20 21 22 23

chain bonds :

4-7 7-8 7-10 8-9 10-16 13-17 17-18

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15 18-19
18-23 19-20 20-21 21-22 22-23

exact/norm bonds :

4-7 7-8 7-10 8-9 10-11 10-15 10-16 11-12 12-13 13-14 13-17 14-15

exact bonds :

17-18

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

Match level :

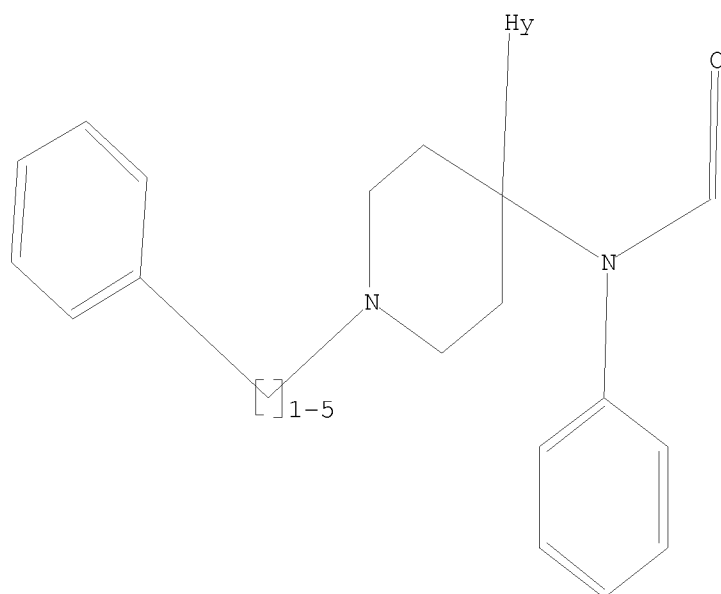
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 12:28:37 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 409 TO ITERATE

100.0% PROCESSED 409 ITERATIONS

9 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 6967 TO 9393

PROJECTED ANSWERS: 9 TO 360

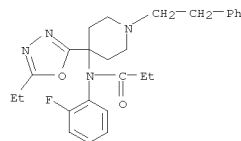
L2 9 SEA SSS SAM L1

=> d scan

05/13/2008

10-533,833-1.trn

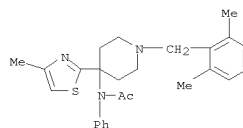
L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-(2-fluorophenyl)-
MF C26 H31 F N4 O2
CI CCM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

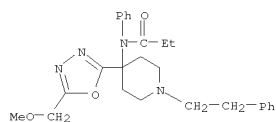
L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Acetanide, N-[1-[(2,6-dimethylphenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl-
MF C26 H31 N3 O S
CI CCM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanamide, N-[4-[5-(methoxymethyl)-1,3,4-oxadiazol-2-yl]-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, monohydrochloride (9CI)
MF C26 H32 N4 O3 . Cl H
CI

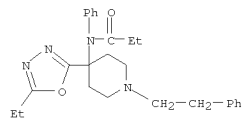


● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-
MF C26 H32 N4 O2
CI CCM



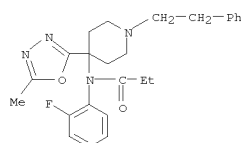
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

05/13/2008

10-533,833-1.trn

L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanamide,
N-(2-fluorophenyl)-N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-
phenylethyl)-4-piperidinyl]-
MF C25 H29 F N4 O2
CI CCM



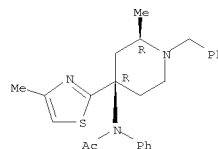
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Acetamide,
N-[(2R,4R)-2-methyl-4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-
piperidinyl]-N-phenyl-, rel-, (2E)-2-butenedioate (1:1) (9CI)
MF C25 H29 N3 O S . C4 H4 O4

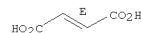
CM 1

Relative stereochemistry.



CM 2

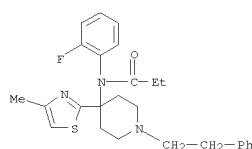
Double bond geometry as shown.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanamide, N-(2-fluorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(2-
phenylethyl)-4-piperidinyl]-, ethanedioate (1:1)
MF C26 H30 F N3 O S . C2 H2 O4

CM 1



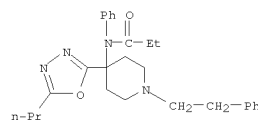
CM 2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanamide, N-phenyl-N-[1-(2-phenylethyl)-4-(5-propyl-1,3,4-oxadiazol-2-
yl)-4-piperidinyl]-, monohydrochloride (9CI)
MF C27 H34 N4 O2 . Cl H



● HCl

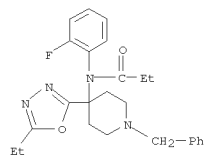
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

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L2 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-
piperidinyl]-N-(2-fluorophenyl)-
MF C25 H29 F N4 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

05/13/2008

10-533,833-1.trn

=> s l1 sss full

FULL SEARCH INITIATED 12:29:44 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 8097 TO ITERATE

100.0% PROCESSED 8097 ITERATIONS

161 ANSWERS

SEARCH TIME: 00.00.01

L3 161 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

179.28

179.49

FILE 'CAPLUS' ENTERED AT 12:29:54 ON 13 MAY 2008

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FILE COVERS 1907 - 13 May 2008 VOL 148 ISS 20

FILE LAST UPDATED: 12 May 2008 (20080512/ED)

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<http://www.cas.org/legal/infopolicy.html>

=> s l3

L4 5 L3

=> d ibib abs hitstr 1-

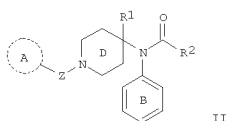
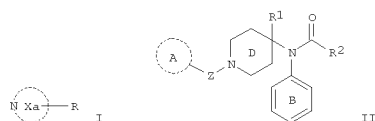
YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

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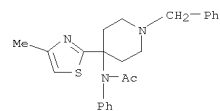
10-533,833-1.trn

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:412817 CAPLUS
DOCUMENT NUMBER: 141:7112
TITLE: Preparation of 4-phenylaminopiperidine derivatives as
neuromedin U receptor regulator
INVENTOR(S): Kajino, Masahiro; Hinuma, Shuji; Tarui, Naoki;
Yamashita, Toshiro; Nakayama, Yutaka
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 155 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004041282	A1	20040521	WO 2003-JP14101	20031105
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD,				
TG				
CA 2504805	A1	20040521	CA 2003-2504805	20031105
AU 2003277552	A1	20040607	AU 2003-277552	20031105
JP 2004168772	A	20040617	JP 2003-375069	20031105
EP 1559428	A1	20050803	EP 2003-810601	20031105
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20060252797	A1	20061103	US 2005-533833	20050503
PRIORITY APPLN. INFO.:			JP 2002-322534	A 20021106
			WO 2003-JP14101	W 20031105
OTHER SOURCE(S):		MARPAT 141:7112		
GI				

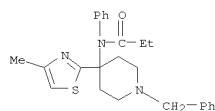


L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
AB Disclosed are neuromedin U receptor regulator containing compds. having a partial structure represented by the formula (I) (wherein ring Xa represents a nitrogenous ring and R represents optionally substituted amino) or salts thereof, more specifically 4-(N-acyl-N-phenylamino)piperidine derivs. [I]; ring A = (un)substituted ring group;
B = (un)substituted Ph; Z = each (un)substituted CH2, COCH2, or CH2CO, or SO2; R1 = H, cyano, each (un)substituted lower alkyl, Ph, aromatic heterocyclyl, or CONH2, CO2H or its ester; R2 = each (un)substituted lower alkyl, lower alkenyl, lower alkoxy, aralkyloxy, or Ph] or salts or prodrgs thereof. The compds. I or II are highly effective in regulating neuromedin U receptors and in particular, are antagonists of neuromedin U receptor FM-3, and are useful as preventives/therapeutic agents for hypertension, myocardial infarction, acute kidney failure, angina pectoris, arrhythmia, bronchial asthma, hyperpnea syndrome, chronic articular rheumatism, diabetes, menopausal syndrome, lowering of immune strength, gastric ulcer, or ulcerative colitis. Thus, lithiation of a solution of 4-methylthiazole in THF with BuLi/hexane at -78° for 15 min followed by coupling with 1-benzyl-4-(phenylamino)piperidine-4-carbonitrile at -30° for 30 min gave N-[1-benzyl-4-(4-methylthiazol-2-yl)-4-piperidinyl]-N-phenylamine which was acetylated by acetyl chloride in CHCl3 under reflux for 24 h to give, after salt formation with oxalic acid, N-[1-benzyl-4-(4-methylthiazol-2-yl)-4-piperidinyl]-N-phenylacetamide oxalate (III). III showed IC50 of 0.024 μM for inhibiting the competitive binding of [125I]neuromedin U-8 to CHO cells expressing human neuromedin U receptor FM-3. A coated tablet and an ampule formulation containing III, were also prepared
IT 690272-84-5P
RI: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of 4-phenylaminopiperidine derivs. as antagonists of neuromedin U receptor FM-3 as preventives/therapeutic agents of diseases related to neuromedin U)
RN 690272-84-5 CAPLUS
CN Acetamide, N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



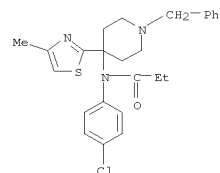
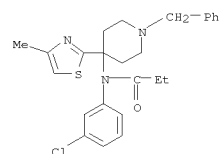
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690272-80-1P 690272-81-2P 690272-82-3P
690272-85-6P 690272-88-9P 690272-89-0P

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
690272-90-3P 690272-93-6P 690272-94-7P
690272-95-8P 690272-98-1P 690272-99-2P
690273-06-4P 690273-07-5P 690273-08-6P
690273-09-7P 690273-10-0P 690273-11-1P
690273-12-2P 690273-13-3P 690273-14-4P
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690273-19-9P 690273-20-2P 690273-23-5P
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690273-65-5P 690273-66-6P 690273-67-7P
690273-68-8P 690273-69-9P 690273-70-2P
690273-71-3P 690631-52-8P
RI: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 4-phenylaminopiperidine derivs. as antagonists of neuromedin U receptor FM-3 as preventives/therapeutic agents of diseases related to neuromedin U)
RN 122823-27-2 CAPLUS
CN Propanamide, N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)
CM 1
CRN 120070-49-7
CMP C25 H29 N3 O S



CM 2
CRN 144-62-7
CMP C2 H2 O4

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
HO-C(=O)-C(=O)-OH
RN 690272-78-7 CAPLUS
CN Propanamide, N-(3-chlorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]- (CA INDEX NAME)
RN 690272-79-8 CAPLUS
CN Propanamide, N-(4-chlorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]- (CA INDEX NAME)

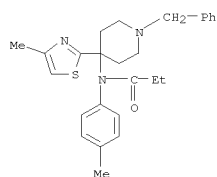


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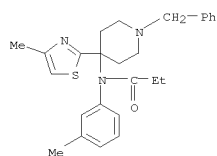
05/13/2008

10-533,833-1.trn

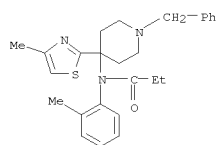
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 690272-81-2 CAPLUS
 CN Propanamide, N-(3-methylphenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]- (CA INDEX NAME)



RN 690272-82-3 CAPLUS
 CN Propanamide, N-(2-methylphenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]- (CA INDEX NAME)



RN 690272-85-6 CAPLUS
 CN Acetamide, N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

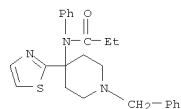
CRN 144-62-7
 CMF C2 H2 O4



RN 690272-89-0 CAPLUS
 CN Propanamide, N-phenyl-N-[1-(phenylmethyl)-4-(2-thiazolyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 122823-25-0
 CMF C24 H27 N3 O S



CM 2

CRN 144-62-7
 CMF C2 H2 O4



RN 690272-90-3 CAPLUS
 CN Propanamide, N-[4-(4,5-dimethyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, (2Z)-2-butenedioate (1:1) (CA INDEX NAME)

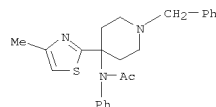
CM 1

CRN 122823-31-8
 CMF C26 H31 N3 O S

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CM 1

CRN 690272-84-5
 CMF C24 H27 N3 O S



CM 2

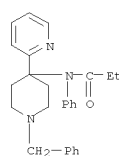
CRN 144-62-7
 CMF C2 H2 O4



RN 690272-88-9 CAPLUS
 CN Propanamide, N-phenyl-N-[1-(phenylmethyl)-4-(2-pyridinyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

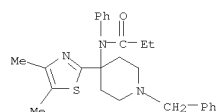
CM 1

CRN 121879-86-5
 CMF C26 H29 N3 O



CM 2

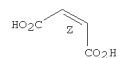
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



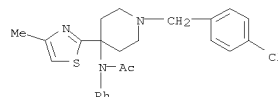
CM 2

CRN 110-16-7
 CMF C4 H4 O4

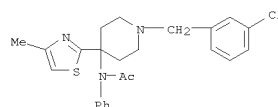
Double bond geometry as shown.



RN 690272-93-6 CAPLUS
 CN Acetamide, N-[1-[(4-chlorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 690272-94-7 CAPLUS
 CN Acetamide, N-[1-[(3-chlorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

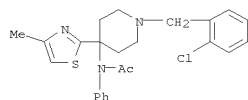


RN 690272-95-8 CAPLUS
 CN Acetamide, N-[1-[(2-chlorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

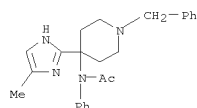
05/13/2008

10-533,833-1.trn

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



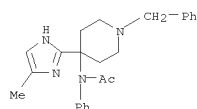
RN 690272-98-1 CAPLUS
CN Acetamide, N-[4-(5-methyl-1H-imidazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 690272-99-2 CAPLUS
CN Acetamide, N-[4-(5-methyl-1H-imidazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690272-98-1
CMF C24 H28 N4 O

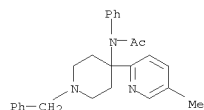


CM 2

CRN 144-62-7
CMF C2 H2 O4



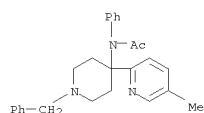
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 690273-09-7 CAPLUS
CN Acetamide, N-[4-(5-methyl-2-pyridinyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-08-6
CMF C26 H29 N3 O

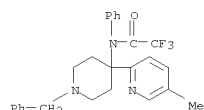


CM 2

CRN 144-62-7
CMF C2 H2 O4

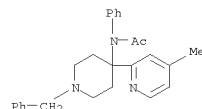


RN 690273-10-0 CAPLUS
CN Acetamide, 2,2,2-trifluoro-N-[4-(5-methyl-2-pyridinyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

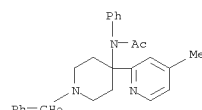
RN 690273-06-4 CAPLUS
CN Acetamide, N-[4-(4-methyl-2-pyridinyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 690273-07-5 CAPLUS
CN Acetamide, N-[4-(4-methyl-2-pyridinyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-06-4
CMF C26 H29 N3 O



CM 2

CRN 144-62-7
CMF C2 H2 O4



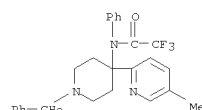
RN 690273-08-6 CAPLUS
CN Acetamide, N-[4-(5-methyl-2-pyridinyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 690273-11-1 CAPLUS
CN Acetamide, 2,2,2-trifluoro-N-[4-(5-methyl-2-pyridinyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-10-0
CMF C26 H26 F3 N3 O

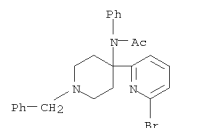


CM 2

CRN 144-62-7
CMF C2 H2 O4



RN 690273-12-2 CAPLUS
CN Acetamide, N-[4-(6-bromo-2-pyridinyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)



RN 690273-13-3 CAPLUS
CN Acetamide, N-[4-(6-bromo-2-pyridinyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

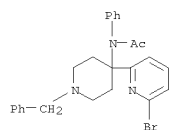
CM 1

CRN 690273-12-2
CMF C25 H26 Br N3 O

05/13/2008

10-533,833-1.trn

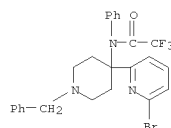
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



CM 2

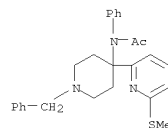
CRN 144-62-7
CMF C2 H2 O4

RN 690273-14-4 CAPLUS
CN Acetamide, N-[4-(6-bromo-2-pyridinyl)-1-(phenylmethyl)-4-piperidinyl]-2,2,2-trifluoro-N-phenyl- (CA INDEX NAME)

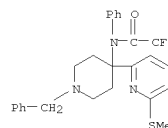


RN 690273-15-5 CAPLUS
CN Acetamide, N-[4-[6-(methylthio)-2-pyridinyl]-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

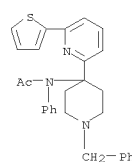
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 690273-16-6 CAPLUS
CN Acetamide, 2,2,2-trifluoro-N-[4-[6-(methylthio)-2-pyridinyl]-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

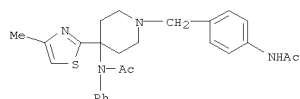


RN 690273-17-7 CAPLUS
CN Acetamide, N-phenyl-N-[1-(phenylmethyl)-4-[6-(2-thienyl)-2-pyridinyl]-4-piperidinyl]- (CA INDEX NAME)

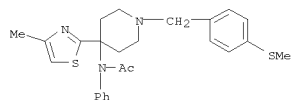


RN 690273-19-9 CAPLUS
CN Acetamide,
N-[1-[[4-(acetylamino)phenyl]methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

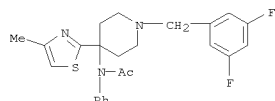
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



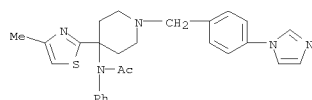
RN 690273-20-2 CAPLUS
CN Acetamide,
N-[4-(4-methyl-2-thiazolyl)-1-[[4-(methylthio)phenyl]methyl]-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 690273-23-5 CAPLUS
CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

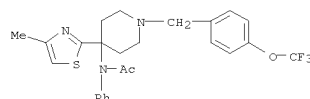


RN 690273-25-7 CAPLUS
CN Acetamide, N-[1-[[4-(1H-imidazol-1-yl)phenyl]methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

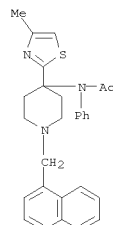


RN 690273-26-8 CAPLUS
CN Acetamide,
N-[4-(4-methyl-2-thiazolyl)-1-[[4-(trifluoromethoxy)phenyl]methyl]-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

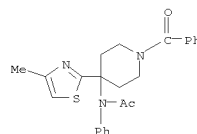
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 690273-27-9 CAPLUS
CN Acetamide, N-[4-(4-methyl-2-thiazolyl)-1-(1-naphthalenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 690273-28-0 CAPLUS
CN Acetamide,
N-[1-benzoyl-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

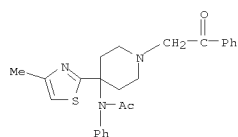


RN 690273-29-1 CAPLUS
CN Acetamide, N-[4-(4-methyl-2-thiazolyl)-1-(2-oxo-2-phenylethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

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10-533,833-1.trn

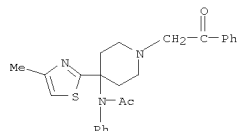
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 690273-30-4 CAPLUS
 CN Acetamide, N-[4-(4-methyl-2-thiazolyl)-1-(2-oxo-2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-29-1
 CMF C25 H27 N3 O2 S



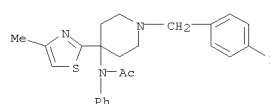
CM 2

CRN 144-62-7
 CMF C2 H2 O4



RN 690273-35-9 CAPLUS
 CN Acetamide, N-[1-[(4-fluorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

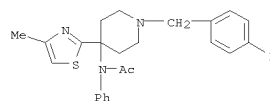
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 690273-36-0 CAPLUS
 CN Acetamide, N-[1-[(4-fluorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-35-9
 CMF C24 H26 F N3 O S



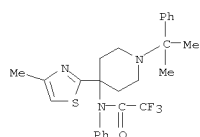
CM 2

CRN 144-62-7
 CMF C2 H2 O4

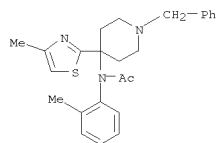


RN 690273-37-1 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[1-(1-methyl-1-phenylethyl)-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



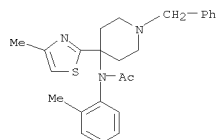
RN 690273-38-2 CAPLUS
 CN Acetamide, N-(2-methylphenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]- (CA INDEX NAME)



RN 690273-39-3 CAPLUS
 CN Acetamide, N-(2-methylphenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-38-2
 CMF C25 H29 N3 O S



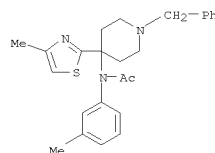
CM 2

CRN 144-62-7
 CMF C2 H2 O4

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



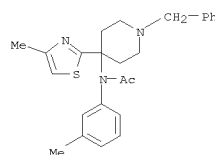
RN 690273-40-6 CAPLUS
 CN Acetamide, N-(3-methylphenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]- (CA INDEX NAME)



RN 690273-41-7 CAPLUS
 CN Acetamide, N-(3-methylphenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-40-6
 CMF C25 H29 N3 O S



CM 2

CRN 144-62-7
 CMF C2 H2 O4

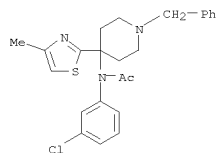
05/13/2008

10-533,833-1.trn

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



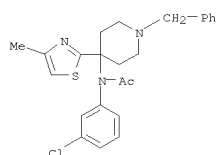
RN 690273-42-8 CAPLUS
 CN Acetamide,
 N-(3-chlorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-
 4-piperidinyl]- (CA INDEX NAME)



RN 690273-43-9 CAPLUS
 CN Acetamide,
 N-(3-chlorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-
 4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-42-8
 CMP C24 H26 Cl N3 O S



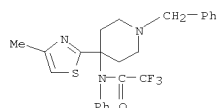
CM 2

CRN 144-62-7
 CMP C2 H2 O4

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



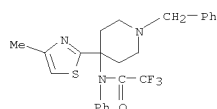
RN 690273-46-2 CAPLUS
 CN Acetamide,
 2,2,2-trifluoro-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-
 piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 690273-47-3 CAPLUS
 CN Acetamide,
 2,2,2-trifluoro-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-
 piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-46-2
 CMP C24 H24 F3 N3 O S



CM 2

CRN 144-62-7
 CMP C2 H2 O4

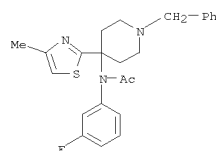


RN 690273-48-4 CAPLUS
 CN Acetamide, N-[1-[(2,6-dimethylphenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-
 piperidinyl]-N-phenyl- (CA INDEX NAME)

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



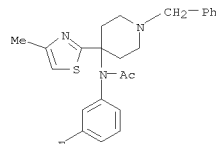
RN 690273-44-0 CAPLUS
 CN Acetamide,
 N-(3-fluorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-
 4-piperidinyl]- (CA INDEX NAME)



RN 690273-45-1 CAPLUS
 CN Acetamide,
 N-(3-fluorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-
 4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

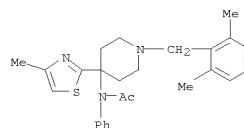
CRN 690273-44-0
 CMP C24 H26 F N3 O S



CM 2

CRN 144-62-7
 CMP C2 H2 O4

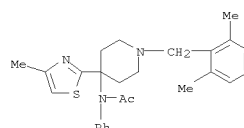
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 690273-49-5 CAPLUS
 CN Acetamide, N-[1-[(2,6-dimethylphenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-
 piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-48-4
 CMP C26 H31 N3 O S



CM 2

CRN 144-62-7
 CMP C2 H2 O4

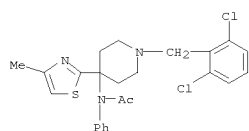


RN 690273-50-8 CAPLUS
 CN Acetamide, N-[1-[(2,6-dichlorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-
 piperidinyl]-N-phenyl- (CA INDEX NAME)

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10-533,833-1.trn

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

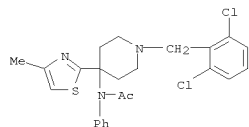


RN 690273-51-9 CAPLUS
 CN Acetamide, N-[1-[(2,6-dichlorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-50-8

CMF C24 H25 Cl2 N3 O S



CM 2

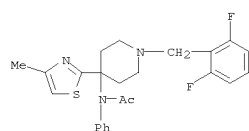
CRN 144-62-7

CMF C2 H2 O4



RN 690273-52-0 CAPLUS
 CN Acetamide, N-[1-[(2,6-difluorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

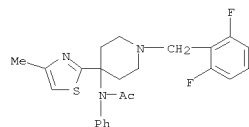


RN 690273-53-1 CAPLUS
 CN Acetamide, N-[1-[(2,6-difluorophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-52-0

CMF C24 H25 F2 N3 O S



CM 2

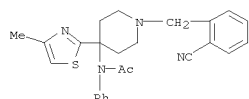
CRN 144-62-7

CMF C2 H2 O4

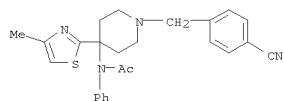


RN 690273-54-2 CAPLUS
 CN Acetamide, N-[1-[(2-cyanophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

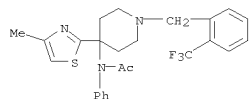
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 690273-55-3 CAPLUS
 CN Acetamide, N-[1-[(4-cyanophenyl)methyl]-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 690273-56-4 CAPLUS
 CN Acetamide,
 N-[4-(4-methyl-2-thiazolyl)-1-[[2-(trifluoromethyl)phenyl]methyl]-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

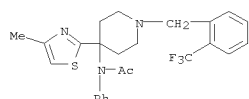


RN 690273-57-5 CAPLUS
 CN Acetamide,
 N-[4-(4-methyl-2-thiazolyl)-1-[[2-(trifluoromethyl)phenyl]methyl]-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-56-4

CMF C25 H26 F3 N3 O S



L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

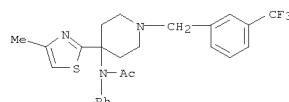
CM 2

CRN 144-62-7

CMF C2 H2 O4



RN 690273-58-6 CAPLUS
 CN Acetamide,
 N-[4-(4-methyl-2-thiazolyl)-1-[[3-(trifluoromethyl)phenyl]methyl]-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

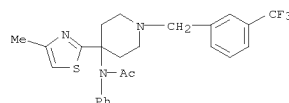


RN 690273-59-7 CAPLUS
 CN Acetamide,
 N-[4-(4-methyl-2-thiazolyl)-1-[[3-(trifluoromethyl)phenyl]methyl]-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-58-6

CMF C25 H26 F3 N3 O S



CM 2

CRN 144-62-7

CMF C2 H2 O4

05/13/2008

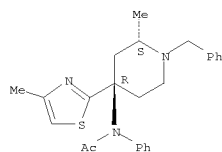
10-533,833-1.trn

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



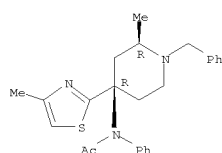
RN 690273-60-0 CAPLUS
CN Acetamide,
N-[(2R,4S)-2-methyl-4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, rel- (CA INDEX NAME)

Relative stereochemistry.



RN 690273-61-1 CAPLUS
CN Acetamide,
N-[(2R,4R)-2-methyl-4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, rel- (CA INDEX NAME)

Relative stereochemistry.



RN 690273-62-2 CAPLUS
CN Acetamide,
N-[(2R,4S)-2-methyl-4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, rel-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

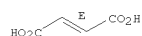
CM 1

CRN 690273-60-0
CMF C25 H29 N3 O S

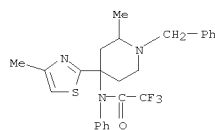
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



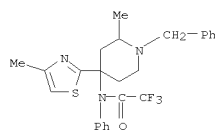
RN 690273-64-4 CAPLUS
CN Acetamide, 2,2,2-trifluoro-N-[2-methyl-4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 690273-65-5 CAPLUS
CN Acetamide, 2,2,2-trifluoro-N-[2-methyl-4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690273-64-4
CMF C25 H26 F3 N3 O S



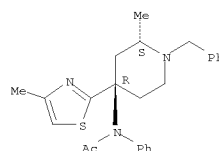
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

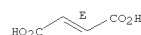
Relative stereochemistry.



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.

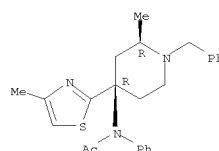


RN 690273-63-3 CAPLUS
CN Acetamide,
N-[(2R,4R)-2-methyl-4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, rel-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

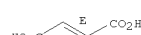
CRN 690273-61-1
CMF C25 H29 N3 O S

Relative stereochemistry.



CM 2

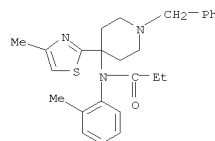
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 690273-66-6 CAPLUS
CN Propanamide, N-(2-methylphenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690272-82-3
CMF C26 H31 N3 O S



CM 2

CRN 144-62-7
CMF C2 H2 O4



RN 690273-67-7 CAPLUS
CN Propanamide, N-(3-methylphenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

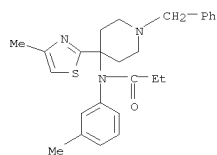
CM 1

CRN 690272-81-2
CMF C26 H31 N3 O S

05/13/2008

10-533,833-1.trn

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

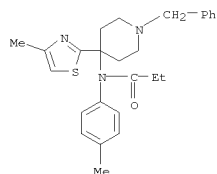


CM 2

CRN 144-62-7
CMF C2 H2 O4

RN 690273-68-8 CAPLUS
CN Propanamide, N-(4-methylphenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

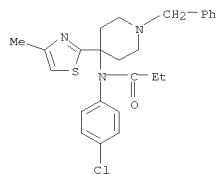
CM 1

CRN 690272-80-1
CMF C26 H31 N3 O S

CM 2

CRN 144-62-7

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

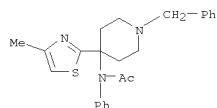


CM 2

CRN 144-62-7
CMF C2 H2 O4

RN 690273-71-3 CAPLUS
CN Acetamide, N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

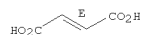
CM 1

CRN 690272-84-5
CMF C24 H27 N3 O S

CM 2

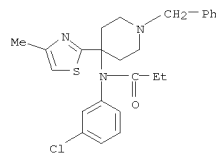
CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CMF C2 H2 O4

RN 690273-69-9 CAPLUS
CN Propanamide, N-(3-chlorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690272-78-7
CMF C25 H28 Cl N3 O S

CM 2

CRN 144-62-7
CMF C2 H2 O4

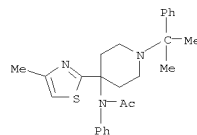
RN 690273-70-2 CAPLUS
CN Propanamide, N-(4-chlorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 690272-79-8
CMF C25 H28 Cl N3 O S

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

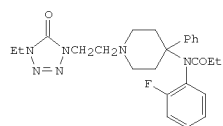
RN 690631-52-8 CAPLUS
CN Acetamide, N-[1-(1-methyl-1-phenylethyl)-4-(4-methyl-2-thiazolyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



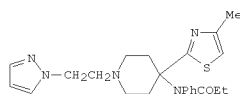
05/13/2008

10-533,833-1.trn

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1989:614369 CAPLUS
 DOCUMENT NUMBER: 111:214369
 ORIGINAL REFERENCE NO.: 111:35553a,35556a
 TITLE: 4-Phenyl- and 4-heteroaryl-4-anilidopiperidines. A novel class of analgesic and anesthetic agents
 AUTHOR(S): Kudzma, Linas V.; Severnak, Sherry A.; Benvenaga, Mark J.; Ezell, Edward F.; Ossipov, Michael H.; Knight, Valerie V.; Rudo, Frieda G.; Spencer, H. Kenneth; Spaulding, Theodore C.
 CORPORATE SOURCE: Tech. Cent., BOC Group, Inc., Murray Hill, NJ, 07974, USA
 SOURCE: Journal of Medicinal Chemistry (1989), 32(12), 2534-42
 CODEN: JMCMAR; ISSN: 0022-2623
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 111:214369
 GI



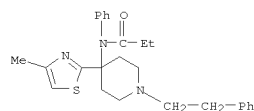
I



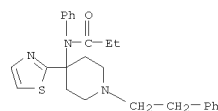
II

AB The incorporation of the 4-phenylpiperidine pharmacophore found in morphine into 4-anilidopiperidines related to fentanyl led to a novel class of potent opioid analgesic and anesthetic agents with a favorable pharmacol. profile. The synthesis, analgesic activity, and anesthetic properties of a series of 4-phenyl-4-anilidopiperidines, e.g. I, are discussed. Isosteric replacement of the Ph by various heteroaryl substituents extended the series to include 4-heteroaryl-4-anilidopiperidines, e.g. II. Within this group II exhibited high analgesic potency, short duration of action, rapid recovery of motor coordination following anesthetic doses, and greater cardiovascular and respiratory safety during anesthesia as compared with opioids fentanyl and alfentanil currently in clin. use. Such analgesics could be of great utility to clinicians in the expanding outpatient surgical arena and for patient-controlled analgesia and computer assisted continuous infusion

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 pain control techniques. The crystal structure of I was also detd.
 IT 120070-50-0P 120072-10-8P 120072-11-9P
 120072-12-0P 120072-13-1P 120072-18-6P
 120072-19-7P 120152-15-0P 121879-88-7P
 121879-89-8P 121879-90-1P 121879-91-2P
 122823-16-9P 122823-17-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and analgesic and anesthetic activity of)
 RN 120070-50-0 CAPLUS
 CN Propanamide,
 N-[4-(4-methyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-
 N-phenyl- (CA INDEX NAME)



RN 120072-10-8 CAPLUS
 CN Propanamide,
 N-phenyl-N-[1-(2-phenylethyl)-4-(2-thiazolyl)-4-piperidinyl]-
 (CA INDEX NAME)

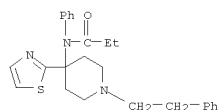


RN 120072-11-9 CAPLUS
 CN Propanamide,
 N-phenyl-N-[1-(2-phenylethyl)-4-(2-thiazolyl)-4-piperidinyl]-
 , ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120072-10-8
 CMF C25 H29 N3 O S

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

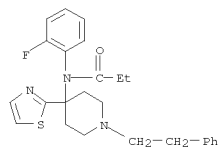


CM 2

CRN 144-62-7
 CMF C2 H2 O4



RN 120072-12-0 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[1-(2-phenylethyl)-4-(2-thiazolyl)-4-piperidinyl]- (CA INDEX NAME)

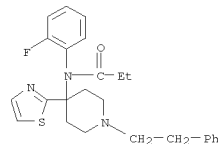


RN 120072-13-1 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[1-(2-phenylethyl)-4-(2-thiazolyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120072-12-0
 CMF C25 H28 F N3 O S

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

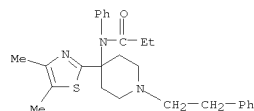


CM 2

CRN 144-62-7
 CMF C2 H2 O4



RN 120072-18-6 CAPLUS
 CN Propanamide, N-[4-(4,5-dimethyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 120072-19-7 CAPLUS
 CN Propanamide, N-[4-(4,5-dimethyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

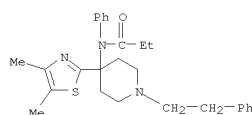
CM 1

CRN 120072-18-6
 CMF C27 H33 N3 O S

05/13/2008

10-533,833-1.trn

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



CM 2

CRN 144-62-7

CMF C2 H2 O4

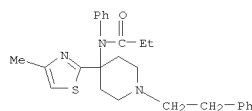


RN 120152-15-0 CAPLUS
 CN Propanamide,
 N-[4-(4-methyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-
 N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120070-50-0

CMF C26 H31 N3 O S



CM 2

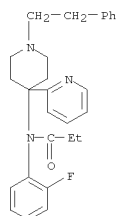
CRN 144-62-7

CMF C2 H2 O4

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 121879-90-1 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[1-(2-phenylethyl)-4-(2-pyridinyl)-4-
 piperidinyl]- (CA INDEX NAME)

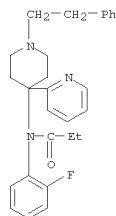


RN 121879-91-2 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[1-(2-phenylethyl)-4-(2-pyridinyl)-4-
 piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 121879-90-1

CMF C27 H30 F N3 O

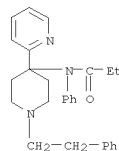


CM 2

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 121879-88-7 CAPLUS
 CN Propanamide,
 N-phenyl-N-[1-(2-phenylethyl)-4-(2-pyridinyl)-4-piperidinyl]-
 (CA INDEX NAME)

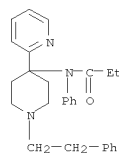


RN 121879-89-8 CAPLUS
 CN Propanamide,
 N-phenyl-N-[1-(2-phenylethyl)-4-(2-pyridinyl)-4-piperidinyl]-
 , ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 121879-88-7

CMF C27 H31 N3 O



CM 2

CRN 144-62-7

CMF C2 H2 O4

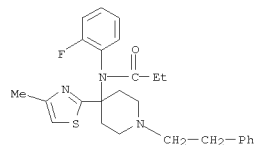
L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CRN 144-62-7

CMF C2 H2 O4



RN 122823-16-9 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(2-
 phenylethyl)-4-piperidinyl]- (CA INDEX NAME)

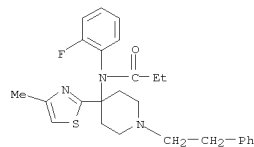


RN 122823-17-0 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(2-
 phenylethyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 122823-16-9

CMF C26 H30 F N3 O S



CM 2

CRN 144-62-7

CMF C2 H2 O4

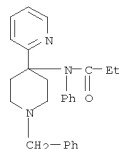
05/13/2008

10-533,833-1.trn

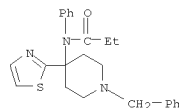
L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



IT 121879-86-5P 122823-25-0P 122823-26-1P
 122823-27-2P 122823-28-3P 122823-31-8P
 122823-32-9P 122823-33-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and debenzoylation of)
 RN 121879-86-5 CAPLUS
 CN Propanamide,
 N-phenyl-N-[1-(phenylmethyl)-4-(2-pyridinyl)-4-piperidinyl]-
 (CA INDEX NAME)

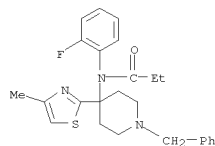


RN 122823-25-0 CAPLUS
 CN Propanamide,
 N-phenyl-N-[1-(phenylmethyl)-4-(2-thiazolyl)-4-piperidinyl]-
 (CA INDEX NAME)

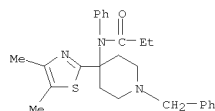


RN 122823-26-1 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[1-(phenylmethyl)-4-(2-thiazolyl)-4-piperidinyl]- (CA INDEX NAME)

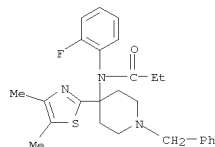
L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 122823-31-8 CAPLUS
 CN Propanamide, N-[4-(4,5-dimethyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

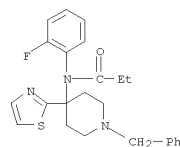


RN 122823-32-9 CAPLUS
 CN Propanamide, N-[4-(4,5-dimethyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-(2-fluorophenyl)- (CA INDEX NAME)



RN 122823-33-0 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[1-(phenylmethyl)-4-(2-pyridinyl)-4-piperidinyl]- (CA INDEX NAME)

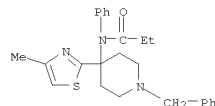
L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 122823-27-2 CAPLUS
 CN Propanamide,
 N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120070-49-7
 CMF C25 H29 N3 O S



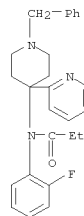
CM 2

CRN 144-62-7
 CMF C2 H2 O4

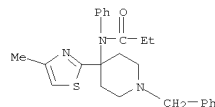


RN 122823-28-3 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]- (CA INDEX NAME)

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



IT 120070-49-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 120070-49-7 CAPLUS
 CN Propanamide,
 N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



05/13/2008

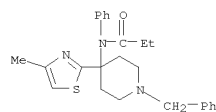
10-533,833-1.trn

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1989:574103 CAPLUS
 DOCUMENT NUMBER: 111:174103
 ORIGINAL REFERENCE NO.: 111:29007a,29010a
 TITLE: Preparation of piperidine-containing heterocycles as
 analgesics and anesthetics
 INVENTOR(S): Lin, Bor Sheng; Scheblein, Joseph W.
 PATENT ASSIGNEE(S): BOC Inc., USA
 SOURCE: U.S., 28 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

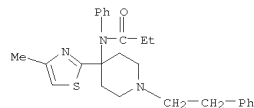
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4831192	A	19890516	US 1987-139896	19871231
EP 328830	A1	19890823	EP 1988-312149	19881221
EP 328830	B1	19940601		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ES 2054836	T3	19940816	ES 1988-312149	19881221
JP 01301676	A	19891205	JP 1988-332751	19881228
PRIORITY APPLN. INFO.:			US 1987-139896	A 19871231
			US 1987-139899	A 19871231

OTHER SOURCE(S): CASREACT 111:174103; MARPAT 111:174103
 GI For diagram(s), see printed CA Issue.
 AB Title compds. I [R1 = (substituted) oxadiazolyl, imidazolyl, triazolyl, tetrazolyl, thiazolyl; R2 = (substituted) Ph; R3 = acyl, alkoxycarbonyl;
 L = alkyl, alkoxy, thienylalkyl, (substituted) thiazolylalkyl, etc.] are prepared from I (R1 = cyano; R3 = H). Treatment of I (R1 = cyano; R2 = Ph;
 R3 = H; L = PhCH2) (prepared from KCN, PhNH2, and N-benzyl-4-piperidone, CAUTION: HCN evolution) with NaN3 in THF in the presence of AlCl3 gave I (R1 = 1H-tetrazol-5-yl), which was refluxed with Ac2O to afford I (R1 = 5-methyl-1,3,4-oxadiazol-2-yl; R2 = Ph; R3 = Ac; L = PhCH2). The oxalate of the latter showed ED50 >5.0 mg/kg in mice in a hot-plate analgesia test.
 IT 120070-49-7P 120070-50-0P 120070-53-3P
 120070-58-8P 120070-59-9P 120070-60-2P
 120070-61-3P 120070-62-4P 120070-63-5P
 120070-65-7P 120070-67-9P 120070-68-0P
 120070-71-5P 120070-72-6P 120070-74-8P
 120070-81-7P 120070-83-9P 120070-93-1P
 120070-96-4P 120071-01-4P 120071-07-0P
 120071-09-2P 120071-13-8P 120071-25-2P
 120071-27-4P 120071-30-9P 120071-36-5P
 120071-46-7P 120071-54-7P 120071-58-1P
 120071-64-9P 120071-70-7P 120071-78-5P
 120071-86-5P 120072-11-9P 120072-13-1P
 120072-19-7P 120072-36-8P 120072-37-9P
 122823-17-0P 123019-02-3P

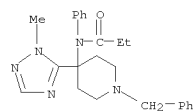
L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as analgesic and anesthetic)
 RN 120070-49-7 CAPLUS
 CN Propanamide,
 N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 120070-50-0 CAPLUS
 CN Propanamide,
 N-[4-(4-methyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

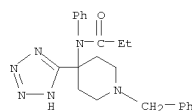


RN 120070-53-3 CAPLUS
 CN Propanamide, N-[4-(1-methyl-1H-1,2,4-triazol-5-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

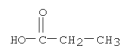


RN 120070-58-8 CAPLUS
 CN Propanoic acid, compd. with
 N-phenyl-N-[1-(phenylmethyl)-4-(1H-tetrazol-5-yl)-4-piperidinyl]propanamide (1:1) (9CI) (CA INDEX NAME)

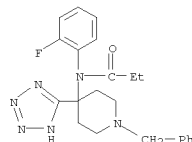
L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CM 1
 CRN 120070-57-7
 CMF C22 H26 N6 O



CM 2
 CRN 79-09-4
 CMF C3 H6 O2

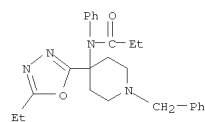


RN 120070-59-9 CAPLUS
 CN Propanamide,
 N-(2-fluorophenyl)-N-[1-(phenylmethyl)-4-(1H-tetrazol-5-yl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

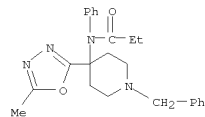


RN 120070-60-2 CAPLUS
 CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

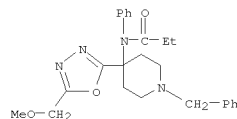
L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



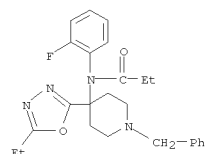
RN 120070-61-3 CAPLUS
 CN Propanamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 120070-62-4 CAPLUS
 CN Propanamide, N-[4-[5-(methoxymethyl)-1,3,4-oxadiazol-2-yl]-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 120070-63-5 CAPLUS
 CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-(2-fluorophenyl)- (CA INDEX NAME)



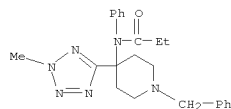
05/13/2008

10-533,833-1.trn

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

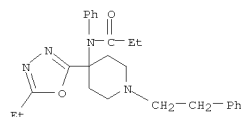
RN 120070-65-7 CAPLUS

CN Propanamide, N-[4-(2-methyl-2H-tetrazol-5-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 120070-67-9 CAPLUS

CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



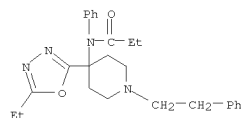
RN 120070-68-0 CAPLUS

CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120070-67-9

CMF C26 H32 N4 O2



CM 2

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



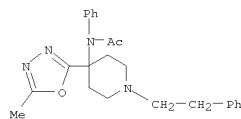
RN 120070-74-8 CAPLUS

CN Acetamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120070-73-7

CMF C24 H28 N4 O2



CM 2

CRN 144-62-7

CMF C2 H2 O4



RN 120070-81-7 CAPLUS

CN Acetamide, N-(2-fluorophenyl)-N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

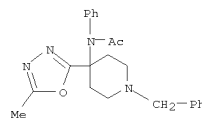
RN 144-62-7

CMF C2 H2 O4



RN 120070-71-5 CAPLUS

CN Acetamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



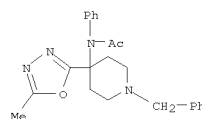
RN 120070-72-6 CAPLUS

CN Acetamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120070-71-5

CMF C23 H26 N4 O2

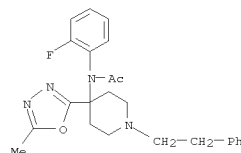


CM 2

CRN 144-62-7

CMF C2 H2 O4

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

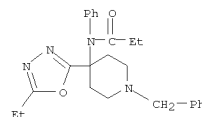
RN 120070-83-9 CAPLUS

CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120070-60-2

CMF C25 H30 N4 O2



CM 2

CRN 144-62-7

CMF C2 H2 O4



RN 120070-93-1 CAPLUS

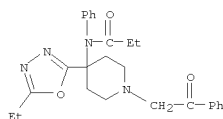
CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-oxo-2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

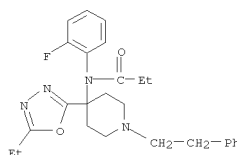
CRN 120070-92-0

05/13/2008

10-533,833-1.trn

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CMF C26 H30 N4 O3

CM 2

CRN 144-62-7
CMF C2 H2 O4RN 120070-96-4 CAPLUS
CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-(2-fluorophenyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

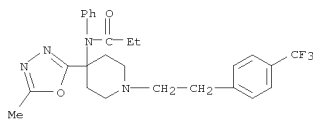
RN 120071-01-4 CAPLUS
CN Propanamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 120071-09-2 CAPLUS
CN Propanamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-[2-[4-(trifluoromethyl)phenyl]ethyl]-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

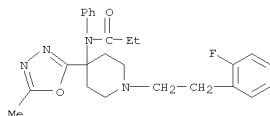
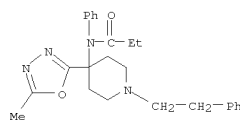
CM 1

CRN 120071-08-1
CMF C26 H29 F3 N4 O2

CM 2

CRN 144-62-7
CMF C2 H2 O4RN 120071-13-8 CAPLUS
CN Propanamide, N-[1-[2-(2-fluorophenyl)ethyl]-4-(5-methyl-1,3,4-oxadiazol-2-yl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

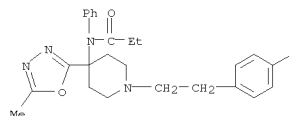
CM 1

CRN 120071-12-7
CMF C25 H29 F N4 O2L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CRN 120071-00-3
CMF C25 H30 N4 O2

CM 2

CRN 144-62-7
CMF C2 H2 O4RN 120071-07-0 CAPLUS
CN Propanamide, N-[1-[2-(4-fluorophenyl)ethyl]-4-(5-methyl-1,3,4-oxadiazol-2-yl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

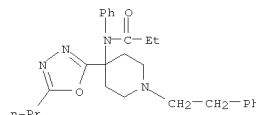
CRN 120071-06-9
CMF C25 H29 F N4 O2

CM 2

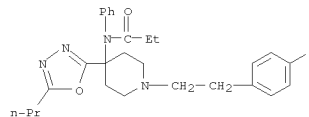
CRN 144-62-7
CMF C2 H2 O4

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CM 2

CRN 144-62-7
CMF C2 H2 O4RN 120071-25-2 CAPLUS
CN Propanamide, N-phenyl-N-[1-(2-phenylethyl)-4-(5-propyl-1,3,4-oxadiazol-2-yl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 120071-27-4 CAPLUS
CN Propanamide, N-[1-[2-(4-fluorophenyl)ethyl]-4-(5-propyl-1,3,4-oxadiazol-2-yl)-4-piperidinyl]-N-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

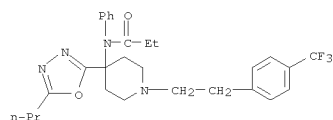
● HCl

RN 120071-30-9 CAPLUS
CN Propanamide, N-phenyl-N-[4-(5-propyl-1,3,4-oxadiazol-2-yl)-1-[2-[4-(trifluoromethyl)phenyl]ethyl]-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

05/13/2008

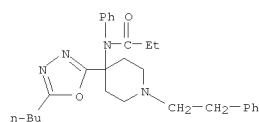
10-533,833-1.trn

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



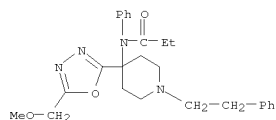
● HCl

RN 120071-36-5 CAPLUS
CN Propanamide, N-[4-(5-butyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 120071-46-7 CAPLUS
CN Propanamide, N-[4-[5-(methoxymethyl)-1,3,4-oxadiazol-2-yl]-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 120071-54-7 CAPLUS

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CM 2

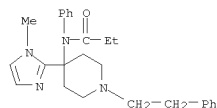
CRN 144-62-7
CMF C2 H2 O4



RN 120071-64-9 CAPLUS
CN Propanamide, N-[4-(1-methyl-1H-imidazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-63-8
CMF C26 H32 N4 O



CM 2

CRN 144-62-7
CMF C2 H2 O4



RN 120071-70-7 CAPLUS
CN Propanamide, N-[4-(1-methyl-1H-1,2,4-triazol-5-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

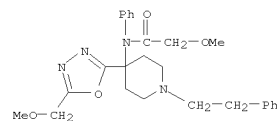
CM 1

CRN 120071-69-4
CMF C25 H31 N5 O

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN Acetamide, 2-methoxy-N-[4-[5-(methoxymethyl)-1,3,4-oxadiazol-2-yl]-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-53-6
CMF C26 H32 N4 O4



CM 2

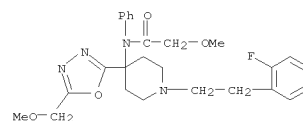
CRN 144-62-7
CMF C2 H2 O4



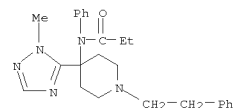
RN 120071-58-1 CAPLUS
CN Acetamide, N-[1-[2-(2-fluorophenyl)ethyl]-4-[5-(methoxymethyl)-1,3,4-oxadiazol-2-yl]-4-piperidinyl]-2-methoxy-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-57-0
CMF C26 H31 F N4 O4



L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



CM 2

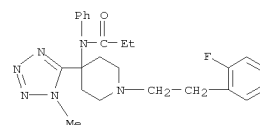
CRN 144-62-7
CMF C2 H2 O4



RN 120071-78-5 CAPLUS
CN Propanamide, N-[1-[2-(2-fluorophenyl)ethyl]-4-(1-methyl-1H-tetrazol-5-yl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-77-4
CMF C24 H29 F N6 O



CM 2

CRN 144-62-7
CMF C2 H2 O4



RN 120071-86-5 CAPLUS

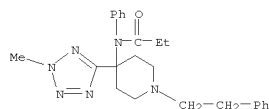
05/13/2008

10-533,833-1.trn

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN Propanamide, N-[4-(2-methyl-2H-tetrazol-5-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-85-4
CMF C24 H30 N6 O



CM 2

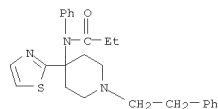
CRN 144-62-7
CMF C2 H2 O4



RN 120072-11-9 CAPLUS
CN Propanamide, N-phenyl-N-[1-(2-phenylethyl)-4-(2-thiazolyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

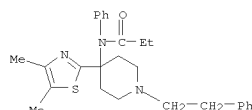
CM 1

CRN 120072-10-8
CMF C25 H29 N3 O S



CM 2

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



CM 2

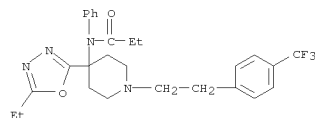
CRN 144-62-7
CMF C2 H2 O4



RN 120072-36-8 CAPLUS
CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-[2-[(4-(trifluoromethyl)phenyl]ethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120072-35-7
CMF C27 H31 F3 N4 O2



CM 2

CRN 144-62-7
CMF C2 H2 O4



RN 120072-37-9 CAPLUS
CN Propanamide, N-[4-(1-methyl-1H-tetrazol-5-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

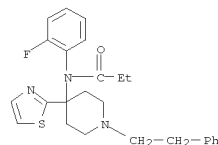
CRN 144-62-7
CMF C2 H2 O4



RN 120072-13-1 CAPLUS
CN Propanamide, N-(2-fluorophenyl)-N-[1-(2-phenylethyl)-4-(2-thiazolyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120072-12-0
CMF C25 H28 F N3 O S



CM 2

CRN 144-62-7
CMF C2 H2 O4



RN 120072-19-7 CAPLUS
CN Propanamide, N-[4-(4,5-dimethyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

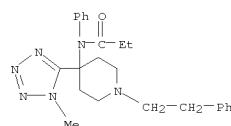
CM 1

CRN 120072-18-6
CMF C27 H33 N3 O S

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CM 1

CRN 120072-34-6
CMF C24 H30 N6 O



CM 2

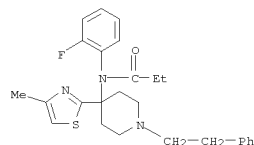
CRN 144-62-7
CMF C2 H2 O4



RN 122823-17-0 CAPLUS
CN Propanamide, N-(2-fluorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 122823-16-9
CMF C26 H30 F N3 O S



CM 2

CRN 144-62-7
CMF C2 H2 O4

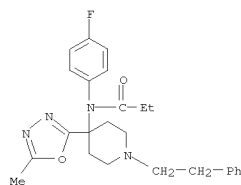
05/13/2008

10-533,833-1.trn

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 123019-02-3 CAPLUS
 CN Propanamide,
 N-(4-fluorophenyl)-N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



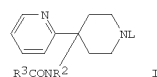
● HCl

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1989:477854 CAPLUS
 DOCUMENT NUMBER: 111:77854
 ORIGINAL REFERENCE NO.: 111:13119a,13122a
 TITLE: Preparation of 4-heterohexacyclic-4-(N-(phenylamido)piperidines as analgesics and their pharmaceutical compositions
 INVENTOR(S): Kudzma, Linas V.; Spencer, H. Kenneth
 PATENT ASSIGNEE(S): BOC Group, Inc., USA
 SOURCE: U.S., 6 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4801615	A	19890131	US 1987-139895	19871231
EP 323733	A1	19890712	EP 1988-312150	19881221
R: BE, CH, DE, FR, GB, IT, LI, NL				
JP 01213279	A	19890828	JP 1988-332753	19881228
PRIORITY APPLN. INFO.:			US 1987-139895	A 19871231

OTHER SOURCE(S): CASREACT 111:77854; MARPAT 111:77854
 GI



AB Title compds. I [R2 = (un)substituted Ph; R3 = alkyl; L = phenylalkyl, pyrazolylalkyl, (un)substituted (4,5-dihydro-5-oxo-1H-tetrazolyl)alkyl] optically isomers and salts thereof, useful as narcotic antagonists and analgesics, are prepared

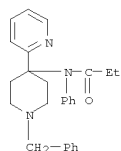
4-(N-Phenylpropionamido)-4-(2-pyridyl)piperidine
 (preparation given) in MeCN was reacted with K2CO3 and PhCH2CH2Br to give I (L = PhCH2CH2, R2 = Ph, R3 = Et) as the oxalate salt (II). In mouse hot plate analgesia test the ED50 of II was 0.013 mg/kg.

IT 121879-86-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and deprotection of)

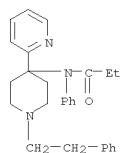
RN 121879-86-5 CAPLUS
 CN Propanamide,
 N-phenyl-N-[1-(phenylmethyl)-4-(2-pyridinyl)-4-piperidinyl]-
 (CA INDEX NAME)

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



IT 121879-88-7P 121879-89-8P 121879-90-1P
 121879-91-2P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as analgesic)

RN 121879-88-7 CAPLUS
 CN Propanamide,
 N-phenyl-N-[1-(2-phenylethyl)-4-(2-pyridinyl)-4-piperidinyl]-
 (CA INDEX NAME)

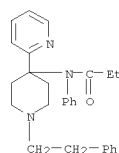


RN 121879-89-8 CAPLUS
 CN Propanamide,
 N-phenyl-N-[1-(2-phenylethyl)-4-(2-pyridinyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 121879-88-7
 CMP C27 H31 N3 O

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

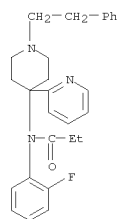


CM 2

CRN 144-62-7
 CMP C2 H2 O4



RN 121879-90-1 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[1-(2-phenylethyl)-4-(2-pyridinyl)-4-piperidinyl]- (CA INDEX NAME)



RN 121879-91-2 CAPLUS
 CN Propanamide, N-(2-fluorophenyl)-N-[1-(2-phenylethyl)-4-(2-pyridinyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

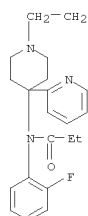
CM 1

CRN 121879-90-1
 CMP C27 H30 F N3 O

05/13/2008

10-533,833-1.trn

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



CM 2

CRN 144-62-7

CMF C2 H2 O4

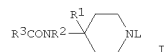


L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1989:423391 CAPLUS
 DOCUMENT NUMBER: 111:23391
 ORIGINAL REFERENCE NO.: 111:4069a,4072a
 TITLE: Preparation and formulation of 4-heteroaryl-4-(N-acylanilino)piperidines as analgesics
 INVENTOR(S): Lin, Bor Sheng; Kudzma, Linas V.; Spencer, H. Kenneth
 PATENT ASSIGNEE(S): BOC Group, Inc., USA
 SOURCE: U.S., 29 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4791120	A	19881213	US 1987-139899	19871231
US 4871749	A	19891003	US 1988-256792	19881011
AU 8826604	A	19890713	AU 1988-26604	19881206
AU 616708	B2	19911107		
NO 8805463	A	19890703	NO 1988-5463	19881208
NO 174553	B	19940214		
NO 174553	C	19940525		
IL 88645	A	19930708	IL 1988-88645	19881209
EP 328830	A1	19890823	EP 1988-312149	19881221
EP 328830	B1	19940601		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ES 2054836	T3	19940816	ES 1988-312149	19881221
JP 01213278	A	19890828	JP 1988-332752	19881228
DK 8807328	A	19890701	DK 1988-7328	19881230
FI 8806057	A	19890701	FI 1988-6057	19881230
FI 92065	B	19940615		
FI 92065	C	19940926		
CN 1035285	A	19890906	CN 1989-100056	19881230
CN 1023010	B	19931208		
PRIORITY APPLN. INFO.:			US 1987-139896	A 19871231
			US 1987-139899	A1 19871231

OTHER SOURCE(S): CASREACT 111:23391; MARPAT 111:23391
 GI



AB The title compds. [I; R1 = (un)substituted oxadiazolyl, tetrazolyl, imidazolyl, thiazolyl; R2 = (un)substituted Ph; R3 = alkyl, alkoxyalkyl;
 L = alkyl, alkoxy, thienylalkyl, pyrazolylalkyl, pyridylalkyl,

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

phtalimidoalkyl, disubstituted (1H,3H)-pyridinedionyl, (un)substituted thiazolyl, (4,5-dihydro-5-oxotetrazol-1-yl)alkyl, phenylalkyl] and their optically active isomers and pharmaceutically acceptable salts were prepd.

1-Benzyl-4-piperidinone, PhNH2, and KCN and were reacted at room temp. to give 4-anilino-1-benzyl-4-piperidinecarbonitrile. The latter was treated with lithiated 4-methylthiazole in THF and the product was acylated with EtCOCl to give 95% I [R1 = 4-methyl-2-thiazolyl, R2 = Ph, R3 = Et, L = PhCH2]. In mice I [R1 = 4-(methoxymethyl)-1,3,4-oxadiazolyl, R2 = Ph, R3 = Et, L = 2-(2-thienyl)ethyl] had and ED50 of 0.0007 mg/kg in the hot plate test for analgesics.

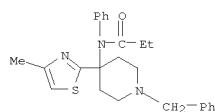
IT 120070-49-7P 120070-50-0P 120070-53-3P
 120070-59-8P 120070-59-9P 120070-60-2P
 120070-61-3P 120070-62-4P 120070-63-5P
 120070-64-6P 120070-65-7P 120070-67-9P
 120070-68-0P 120070-71-5P 120070-72-6P
 120070-74-8P 120070-81-7P 120070-83-9P
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 120071-01-4P 120071-07-0P 120071-09-2P
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 120071-46-7P 120071-54-7P 120071-58-1P
 120071-64-9P 120071-70-7P 120071-77-4P
 120071-78-5P 120071-86-5P 120071-98-9P
 120072-11-9P 120072-13-1P 120072-19-7P
 120072-30-2P 120072-32-4P 120072-34-6P
 120072-36-8P 120072-37-9P 120152-15-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREF (Preparation); USES (Uses) (preparation of, as analgesic)

RN 120070-49-7 CAPLUS

CN Propanamide,

N-[4-(4-methyl-2-thiazolyl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

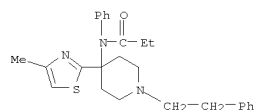


RN 120070-50-0 CAPLUS

CN Propanamide,

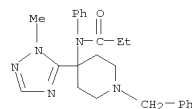
N-[4-(4-methyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 120070-53-3 CAPLUS

CN Propanamide, N-[4-(1-methyl-1H-1,2,4-triazol-5-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



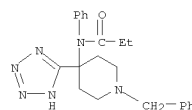
RN 120070-58-8 CAPLUS

CN Propanoic acid, compd. with N-phenyl-N-[1-(phenylmethyl)-4-(1H-tetrazol-5-yl)-4-piperidinyl]propanamide (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 120070-57-7

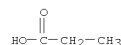
CMF C22 H26 N6 O



CM 2

CRN 79-09-4

CMF C3 H6 O2

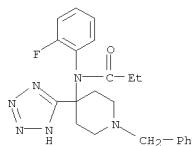


05/13/2008

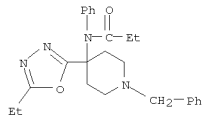
10-533,833-1.trn

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

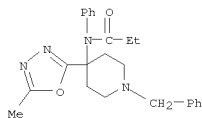
RN 120070-59-9 CAPLUS
 CN Propanamide, N-[1-(phenylmethyl)-4-(1H-tetrazol-5-yl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 120070-60-2 CAPLUS
 CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

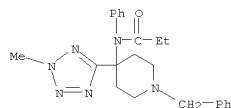


RN 120070-61-3 CAPLUS
 CN Propanamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

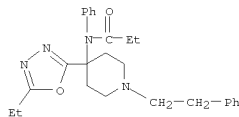


RN 120070-62-4 CAPLUS
 CN Propanamide, N-[4-[5-(methoxymethyl)-1,3,4-oxadiazol-2-yl]-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



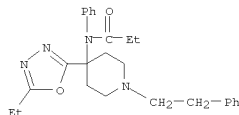
RN 120070-67-9 CAPLUS
 CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 120070-68-0 CAPLUS
 CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120070-67-9
 CMF C26 H32 N4 O2

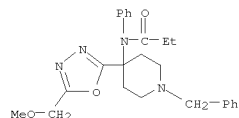


CM 2

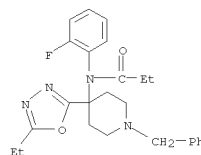
CRN 144-62-7
 CMF C2 H2 O4



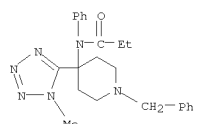
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 120070-63-5 CAPLUS
 CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-(2-fluorophenyl)- (CA INDEX NAME)



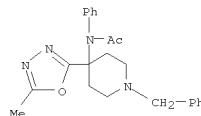
RN 120070-64-6 CAPLUS
 CN Propanamide, N-[4-(1-methyl-1H-tetrazol-5-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 120070-65-7 CAPLUS
 CN Propanamide, N-[4-(2-methyl-2H-tetrazol-5-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

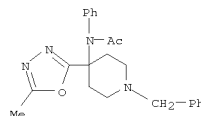
RN 120070-71-5 CAPLUS
 CN Acetamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 120070-72-6 CAPLUS
 CN Acetamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120070-71-5
 CMF C23 H26 N4 O2



CM 2

CRN 144-62-7
 CMF C2 H2 O4



RN 120070-74-8 CAPLUS
 CN Acetamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

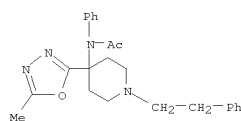
CM 1

CRN 120070-73-7
 CMF C24 H28 N4 O2

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10-533,833-1.trn

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

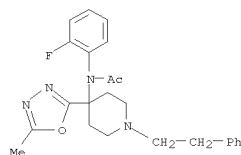


CM 2

CRN 144-62-7
CMF C2 H2 O4

RN 120070-81-7 CAPLUS

CN Acetamide, N-(2-fluorophenyl)-N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 120070-83-9 CAPLUS

CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(phenylmethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

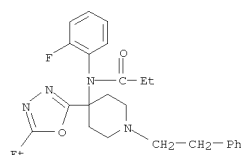
CRN 120070-60-2
CMF C25 H30 N4 O2

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 120070-96-4 CAPLUS

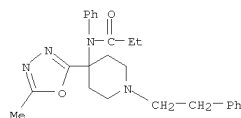
CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-(2-fluorophenyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 120071-00-3 CAPLUS

CN Propanamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)



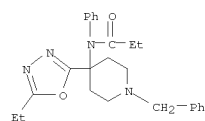
RN 120071-01-4 CAPLUS

CN Propanamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-00-3
CMF C25 H30 N4 O2

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



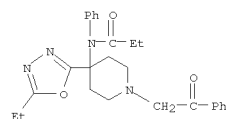
CM 2

CRN 144-62-7
CMF C2 H2 O4

RN 120070-93-1 CAPLUS

CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-(2-oxo-2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

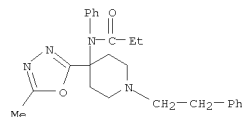
CM 1

CRN 120070-92-0
CMF C26 H30 N4 O3

CM 2

CRN 144-62-7
CMF C2 H2 O4

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



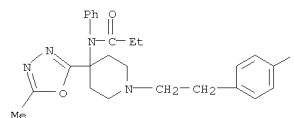
CM 2

CRN 144-62-7
CMF C2 H2 O4

RN 120071-07-0 CAPLUS

CN Propanamide, N-[1-[2-(4-fluorophenyl)ethyl]-4-(5-methyl-1,3,4-oxadiazol-2-yl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-06-9
CMF C25 H29 F N4 O2

CM 2

CRN 144-62-7
CMF C2 H2 O4

RN 120071-09-2 CAPLUS

CN Propanamide, N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-[2-(4-

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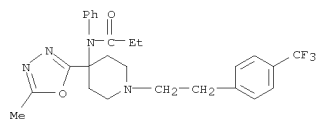
10-533,833-1.trn

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
(trifluoromethyl)phenyl]ethyl]-4-piperidinyl]-N-phenyl-, ethanedioate
(1:1) (CA INDEX NAME)

CM 1

CRN 120071-08-1

CMF C26 H29 F3 N4 O2



CM 2

CRN 144-62-7

CMF C2 H2 O4



RN 120071-13-8 CAPLUS

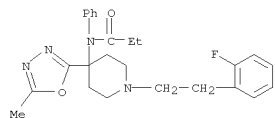
CN Propanamide,

N-[1-[2-(2-fluorophenyl)ethyl]-4-(5-methyl-1,3,4-oxadiazol-2-yl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

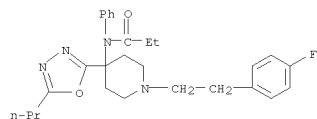
CRN 120071-12-7

CMF C25 H29 F N4 O2



CM 2

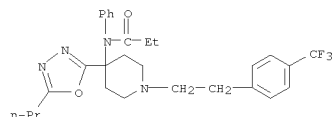
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
yl)-4-piperidinyl]-N-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 120071-30-9 CAPLUS

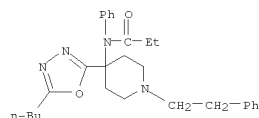
CN Propanamide, N-phenyl-N-[4-(5-propyl-1,3,4-oxadiazol-2-yl)-1-[2-[4-(trifluoromethyl)phenyl]ethyl]-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 120071-36-5 CAPLUS

CN Propanamide, N-[4-(5-butyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 120071-46-7 CAPLUS

CN Propanamide, N-[4-[5-(methoxymethyl)-1,3,4-oxadiazol-2-yl]-1-(2-

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CRN 144-62-7

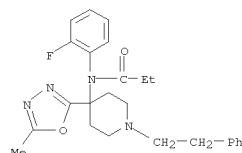
CMF C2 H2 O4



RN 120071-20-7 CAPLUS

CN Propanamide,

N-(2-fluorophenyl)-N-[4-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

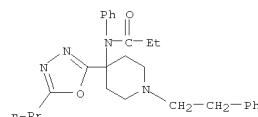


● HCl

RN 120071-25-2 CAPLUS

CN Propanamide,

N-phenyl-N-[1-(2-phenylethyl)-4-(5-propyl-1,3,4-oxadiazol-2-yl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



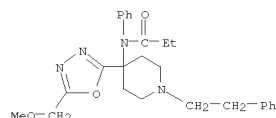
● HCl

RN 120071-27-4 CAPLUS

CN Propanamide,

N-[1-[2-(4-fluorophenyl)ethyl]-4-(5-propyl-1,3,4-oxadiazol-2-

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
phenylethyl)-4-piperidinyl]-N-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 120071-54-7 CAPLUS

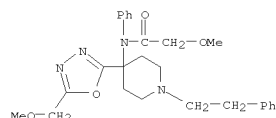
CN Acetamide,

2-methoxy-N-[4-[5-(methoxymethyl)-1,3,4-oxadiazol-2-yl]-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-53-6

CMF C26 H32 N4 O4



CM 2

CRN 144-62-7

CMF C2 H2 O4



RN 120071-58-1 CAPLUS

CN Acetamide,

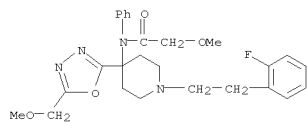
N-[1-[2-(2-fluorophenyl)ethyl]-4-[5-(methoxymethyl)-1,3,4-oxadiazol-2-yl]-4-piperidinyl]-2-methoxy-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

05/13/2008

10-533,833-1.trn

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CRN 120071-57-0
 CMF C26 H31 F N4 O4



CM 2

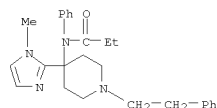
CRN 144-62-7
 CMF C2 H2 O4



RN 120071-64-9 CAPLUS
 CN Propanamide, N-[4-(1-methyl-1H-imidazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-63-8
 CMF C26 H32 N4 O



CM 2

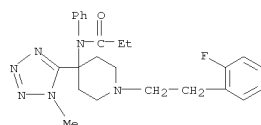
CRN 144-62-7
 CMF C2 H2 O4

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 120071-78-5 CAPLUS
 CN Propanamide, N-[1-[2-(2-fluorophenyl)ethyl]-4-(1-methyl-1H-tetrazol-5-yl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-77-4
 CMF C24 H29 F N6 O



CM 2

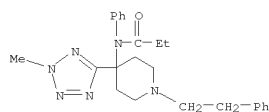
CRN 144-62-7
 CMF C2 H2 O4



RN 120071-86-5 CAPLUS
 CN Propanamide, N-[4-(2-methyl-2H-tetrazol-5-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-85-4
 CMF C24 H30 N6 O



CM 2

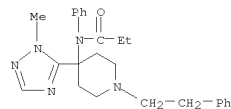
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 120071-70-7 CAPLUS
 CN Propanamide, N-[4-(1-methyl-1H-1,2,4-triazol-5-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120071-69-4
 CMF C25 H31 N5 O

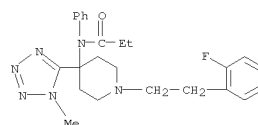


CM 2

CRN 144-62-7
 CMF C2 H2 O4



RN 120071-77-4 CAPLUS
 CN Propanamide, N-[1-[2-(2-fluorophenyl)ethyl]-4-(1-methyl-1H-tetrazol-5-yl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

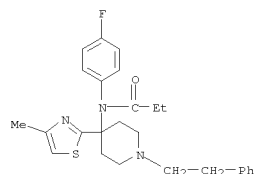
CRN 144-62-7
 CMF C2 H2 O4



RN 120071-98-9 CAPLUS
 CN Propanamide, N-(fluorophenyl)-N-[4-(4-methyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 120071-97-8
 CMF C26 H30 F N3 O S



CM 2

CRN 144-62-7
 CMF C2 H2 O4



RN 120072-11-9 CAPLUS
 CN Propanamide, N-phenyl-N-[1-(2-phenylethyl)-4-(2-thiazolyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

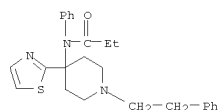
CM 1

CRN 120072-10-8
 CMF C25 H29 N3 O S

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10-533,833-1.trn

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



CM 2

CRN 144-62-7

CMF C2 H2 O4

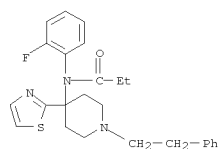


RN 120072-13-1 CAPLUS
CN Propanamide, N-(2-fluorophenyl)-N-[1-(2-phenylethyl)-4-(2-thiazolyl)-4-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120072-12-0

CMF C25 H28 F N3 O S



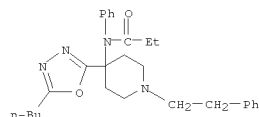
CM 2

CRN 144-62-7

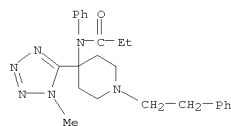
CMF C2 H2 O4

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CN Propanamide, N-[4-(5-butyl-1,3,4-oxadiazol-2-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)



RN 120072-34-6 CAPLUS
CN Propanamide, N-[4-(1-methyl-1H-tetrazol-5-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl- (CA INDEX NAME)

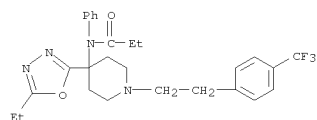


RN 120072-36-8 CAPLUS
CN Propanamide, N-[4-(5-ethyl-1,3,4-oxadiazol-2-yl)-1-[2-[4-(trifluoromethyl)phenyl]ethyl]-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120072-35-7

CMF C27 H31 F3 N4 O2



CM 2

CRN 144-62-7

CMF C2 H2 O4

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

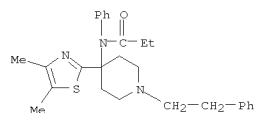


RN 120072-19-7 CAPLUS
CN Propanamide, N-[4-(4,5-dimethyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120072-18-6

CMF C27 H33 N3 O S



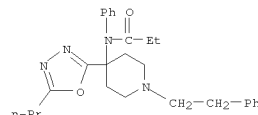
CM 2

CRN 144-62-7

CMF C2 H2 O4



RN 120072-30-2 CAPLUS
CN Propanamide, N-phenyl-N-[1-(2-phenylethyl)-4-(5-propyl-1,3,4-oxadiazol-2-yl)-4-piperidinyl]- (CA INDEX NAME)



RN 120072-32-4 CAPLUS

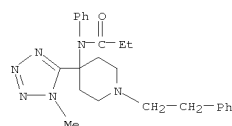
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 120072-37-9 CAPLUS
CN Propanamide, N-[4-(1-methyl-1H-tetrazol-5-yl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120072-34-6

CMF C24 H30 N6 O



CM 2

CRN 144-62-7

CMF C2 H2 O4

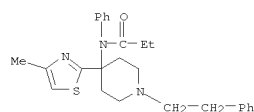


RN 120152-15-0 CAPLUS
CN Propanamide, N-[4-(4-methyl-2-thiazolyl)-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 120070-50-0

CMF C26 H31 N3 O S



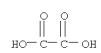
05/13/2008

10-533,833-1.trn

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CM 2

CRN 144-62-7
CMP C2 H2 O4



05/13/2008

10-533,833-1.trn

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